

## **BID SOLICITATION NOTICE**

TO RECEIVE A BID PACKAGE, BIDDERS MAY EITHER DOWNLOAD THE REQUEST FOR BIDS ("RFB") FROM THE AUTHORITY'S WEBSITE AT <http://www.state.nj.us/turnpike/purchasing.html> OR REQUEST A BID BY COMPLETING THIS FORM AND FAXING IT TO THE NUMBER STATED BELOW. FOR RECORD KEEPING PURPOSES, THE AUTHORITY REQUESTS THAT THE BIDDER COMPLETE THIS FORM AND RETURN IT TO THE PROCUREMENT AND MATERIALS MANAGEMENT DEPARTMENT, EVEN WHEN A BIDDER IS DOWNLOADING THE RFB. THIS IS THE ONLY NOTICE OF BIDDING FOR THE FOLLOWING GOODS.

### **THE NEW JERSEY TURNPIKE AUTHORITY PROCUREMENT AND MATERIALS MANAGEMENT DEPARTMENT**

New Jersey Turnpike Administrative Offices  
P.O. Box 5042, 581 Main Street  
Woodbridge, New Jersey 07095-5042  
Tel. - 732-750-5300 Ext. 8640 Fax - 732-750-5399

TITLE: **ASPHALT RECYCLER**  
BID NO: **R-113071**  
DUE DATE: **February 4, 2015**  
TIME: **11:00 AM**

**SUBMIT BIDS BEFORE THE DUE DATE AND TIME STATED ABOVE TO THE ABOVE ADDRESS**

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BIDDER INFORMATION (PLEASE PRINT)

---

NAME OF BIDDING ENTITY

---

ADDRESS

---

CITY, STATE AND ZIP CODE

---

E-MAIL ADDRESS

---

REPRESENTATIVE TO CONTACT-NAME & TITLE

---

TELEPHONE NO

---

FEDERAL TAX I.D. NO. or TAXPAYER I.D. NO

---

FAX NO

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**WE HAVE DOWNLOADED THE BID FROM THE AUTHORITY WEBSITE**

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**PROCUREMENT AND MATERIALS MANAGEMENT DEPARTMENT**

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**(TO BE COMPLETED BY THE BIDDER)**

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FAX NO

\_\_\_\_\_ BUSINESS CORPORATION \_\_\_\_\_ PARTNERSHIP \_\_\_\_\_ INDIVIDUAL

\_\_\_\_\_ OTHER (SPECIFY) \_\_\_\_\_

## **SECTION I**

### **A. INTRODUCTION**

The New Jersey Turnpike Authority (the “Authority”) was created by an act of the New Jersey Legislature in 1948, known as the New Jersey Turnpike Authority Act (as amended and supplemented, “Act”). The Act authorizes the Authority to construct, maintain, repair, and operate the New Jersey Turnpike, to collect tolls, and to issue Turnpike Revenue Bonds or Notes, subject to the approval of the Governor, payable from tolls and other revenues of the Authority. On May 27, 2003, the Act was amended to empower the Turnpike to assume all powers, rights, obligations and duties of the New Jersey Highway Authority (the “Highway Authority”), which owned and operated the Garden State Parkway and PNC Bank Arts Center. On July 9, 2003, the Authority assumed all powers, rights, obligations and duties of the Highway Authority. The Authority currently operates both the Garden State Parkway (“GSP”) and the New Jersey Turnpike (“Turnpike”) (both roads are collectively referred to herein as the “Roadways”).

The Authority is governed by an eight member Board of Commissioners (“Board”). The Governor of New Jersey appoints each of its members and has the statutory authority to overturn an action of the Board by vetoing any Board action within 10 days of receiving the minutes of the meeting. The Board authorizes awards of all public contracts over \$35,000, except in cases where it has delegated authority to the Executive Director.

This bid solicitation is being conducted pursuant to the Authority’s enabling statute as found in N.J.S.A. 27.23-6.1 and Executive Order number 37 (Corzine 2006) and the regulations and policies of the Authority with regard to public bid procurement.

## **B. BIDDER GUIDELINES/CHECKLIST**

**BIDS THAT FAIL TO CONFORM TO THE FOLLOWING REQUIREMENTS MAY BE REJECTED:**

1. The Request for Bids ("RFB"), including specifications and related bid documents ("Bids") must be received at or before the due date and time stated on the cover page at the following place: New Jersey Turnpike Authority, Administration Building, 581 Main Street, Woodbridge, New Jersey 07095. Late Bids will be returned unopened. Telephone or facsimile Bids will not be accepted.
2. The entity submitting a Bid ("Bidder") must provide one original and one copy of the Bid. The Bid must include all price information. Bid prices shall include delivery of all items F.O.B. destination or as otherwise provided. Price quotes must be firm through issuance of contract.
3. All Bid prices must be typed or written in ink. Quote the specified unit of measure. If bidding an alternate, provide detailed specifications.
4. All corrections, white-outs, erasures, re-striking of type, or other forms of alteration or the appearance of alteration, to unit and/or total prices must be initialed in ink by the Bidder.
5. The Bidder must attend the mandatory site inspection at the following date(s) and time(s) if applicable:
6. If checked this RFB requires the following mandatory document(s) or the Bid **will** be rejected:
  - (a) Bid Bond or Cashier's Check for 10% of the amount Bid or a Letter of Surety ☒
  - (b) Stockholder/Partnership Disclosure Statement ☒
7. See the Authority's Instruction to Bidders for a complete list of the Authority's standard contract Terms and Conditions, as well as required forms that must be included with the Bid (**ATTACHED**).

**The following checked documents are required for this Bid. Failure to submit the required forms may result in the rejection of the Bid.**

- (a) State of New Jersey Division of Revenue Business Registration Certificate ☒
  - (b) Certification of Registration with the Secretary of State (only if non-NJ corporation) ☒
  - (c) Acknowledgement of requirement for Disclosure of Political Contributions (ELEC) ☒
  - (d) Public Works Contractor Registration Certificate(s) (if applicable) ☐
  - (e) Affirmative Action Information Sheet with Certificate or Form AA302 ☒
  - (f) Signed Mandatory Equal Employment Opportunity Language ☒
  - (g) SBE/WBE/MBE Certificates and Form ☒
  - (h) Vendor Disclosure Form (EO129-Location of Services) ☒
  - (i) Notice of Set-Off for State Tax (P.L. 1999, c 159) ☒
  - (j) Automobile Insurance Liability Waiver ☐
  - (k) Insurance Certificate ☒
  - (l) Disclosure of Investment in Iran ☒
8. Bidder must sign Bid ☒
  9. Three year Open Option Clause ☒

## **SECTION II**

### **A. INTENTION**

1. Sealed Bids for **R-113071** must be received at the New Jersey Turnpike Authority Administrative Offices, 581 Main Street, Woodbridge, New Jersey 07095-5042, by the due date and time stated on the cover page of this “RFB” at which time and place said Bid will be opened and read in public.
2. Bidders mailing Bids should allow for their normal mail delivery time to ensure timely receipt of the Public Bids. **Please be advised that using an overnight/next-day delivery service does not guarantee overnight/next-day deliveries to our location. The Authority will not be responsible for any Bid not being received by the required date and time.**
3. It is the intention of the Authority to issue a purchase order or notice of award for a price agreement for the procurement of one (1) **ASPHALT RECYCLER**.
4. Items purchased under this contract will be delivered as directed by the Authority.
5. Please contact Richard Bava with any questions regarding this procurement contract at 732-750-5300 x-8636, or rbava@turnpike.state.nj.us.

### **B. BID SHEET INSTRUCTIONS**

1. Bidders must follow all instructions in this RFB and in the Instructions to Bidders issued by the Authority, and any other documents issued by the Authority in connection with this RFB (collectively, “Bid Documents”).
2. Bidders must examine the bid documents carefully before bidding and must ask the Director of Procurement and Materials Management Department (“PMM”) in writing for any interpretation or correction of any apparent ambiguity, inconsistency or apparent error therein. If necessary, an interpretation or correction to the specifications shall be issued by the Director of PMM in response to inquiries and/or addendum shall be faxed to Bidders who have obtained the Bid Documents. Upon the issuing of an addendum, the addendum shall become part of the bid documents. **Requests for interpretation or correction shall be considered only if received at least 5 business days prior to the Bid opening date.**
3. Written requests can be submitted by FAX at 732-750-5399.
4. The submission of the Bid is conclusive evidence that the Bidder is fully aware of the conditions, requirements, and details as stated in the Bid Documents. If the Bidder, prior to submitting its Bid, fails to notify the Director of PMM of the existence of an ambiguity or inconsistency in the Bid Documents, a Bid will conclusively be presumed to have been based upon the Authority’s interpretation of such ambiguity or inconsistency.

5. All erasures, interpolations or other physical changes on the Bid form shall be signed or initialed by the Bidder. Bids containing any conditions, omissions, erasure's, alterations, or items not called for in this "RFB" or irregularities of any kind, may be rejected by the Authority, in its sole discretion.

The Bidder shall not attach conditions, limitations or provisos to their Bid, except in cases where "exceptions" are permitted.

6. **The Authority will accept Approved Equivalent items on this Bid.** If a Bidder is basing the proposal on items other than what is specified, and wishes the items proposed to be considered as an "Approved Equivalent", the Bidder shall enter a price on the Bid sheet then submit on the Exception Sheet in the exact format of the line item on the RFB contained herein, the item number, an item description including manufacturers name, model number, informational brochure(s), and packaging quantities of those items that the Bidder proposes to substitute.

### **C. BASIS OF AWARD**

1. **Bidders must supply a price for every item listed. Bids not having a price for all listed items may be rejected.**
2. **Bidders must quote only one price per line item. If a Bidder quotes multiple prices per line item, the Bid may be rejected.**
3. The Authority will purchase amounts of any given item as needed, at the sole discretion of the Authority and shall not be bound by any quantities listed. The Authority reserves the right to make reasonable increases or decreases to line item quantities.
4. All items are to be Bid FOB Destination. All shipping, handling, and other costs should be considered in the Bid price.
5. The Authority is tax exempt from New Jersey Sales and Excise Tax.
6. Award will be made to the lowest responsive Bidder for the total line items Bid.

## **D. MISCELLANEOUS**

1. Delivery Date \_\_\_\_\_  
(Insert if applicable)
2. Payment Terms: The Authority's standard payment terms are Net 30 days. Prompt payment discounts may be offered and must be a minimum of 10 days.
3. Discount:      Maximum time period: \_\_\_\_\_      Percentage: \_\_\_\_\_

Note: Although prompt payment discounts will not be considered in determining low Bid, the Authority reserves the right to take advantage of any such discounts offered.

## **BID PRICE SHEET**

<b>ITEM</b>	<b>QTY</b>	<b>UNIT</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>TOTAL DOLLAR AMOUNT</b>
<b>1</b>	<b>1</b>	<b>EA</b>	<b>ASPHALT RECYCLER, as per attached Specifications.</b>	<b>\$</b>	<b>\$</b>

**ANY INQUIRIES CONCERNING THIS BID MUST BE SENT VIA FAX TO 732-750-5399**  
**NO LATER THAN FIVE (5) BUSINESS DAYS BEFORE BID OPENING**

### **NEW JERSEY TURNPIKE AUTHORITY**

\_\_\_\_\_  
Andrea E. Ward  
Director, PMM Department

\_\_\_\_\_/\_\_\_\_\_  
Name of Company / Authorized Signature of Bidder



## **E. SIGNATURE PAGE**

1. **ADDENDA / INQUIRIES:** COMPLETE (if applicable) BEFORE SUBMITTING BID:

Receipt of Addendum/Inquiries # \_\_\_\_\_ dated \_\_\_\_\_ is hereby acknowledged.

Receipt of Addendum/Inquiries # \_\_\_\_\_ dated \_\_\_\_\_ is hereby acknowledged.

☐

**CHECK BOX IF NO ADDENDA/INQUIRY ISSUED**

(All Addenda / Inquiries must be acknowledged as indicated above.)

2. **BID IRREVOCABLE:** This offer shall be irrevocable for ninety (90) working days after the date on which the Authority publicly opens this Bid except in those instances where an unsuccessful Bidder has filed a bid protest pursuant to N.J.A.C. 19:9-2.12. Upon notification of a protest, Bidders are required to hold their prices for an additional 90 days. All Bidders will be notified in writing of the action taken by the Authority.
3. **OFFER/CERTIFICATION:** The undersigned offers and agrees to furnish to the New Jersey Turnpike Authority the services and/or materials in compliance with all terms, conditions, specifications and addenda of the RFB, Bid Documents, and resulting contract. The undersigned further certifies understanding and compliance with the requirements of the standard terms and conditions as stated in the Instructions to Bidders included with the Bid Documents. The undersigned certifies that he or she executes this Bid with full authority so to do; and that all statements contained in this Bid and in this certification are true and correct, and made with full knowledge that the Authority relies upon the truth of the statements contained herein and in any statements requested by the Authority showing evidence of qualifications in awarding the contract.

I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are willfully false, I am subject to punishment.

4. **AUTHORIZED SIGNATURE:** \_\_\_\_\_

Print Name and Title: \_\_\_\_\_

Bidder: \_\_\_\_\_

Address: \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Telephone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Date: \_\_\_\_\_

### **SECTION III**

#### **NO RESPONSE BID SURVEY**

**BID REQUISITION NUMBER: R-113071**

**BID TITLE: ASPHALT RECYCLER**

If you do not choose to respond to this Bid, please complete the form below:

Name of Company \_\_\_\_\_

Reason you did not respond (Check all that apply):

\_\_\_\_\_ Cannot supply product or service

\_\_\_\_\_ Cannot meet technical specifications

\_\_\_\_\_ Cannot meet delivery specifications

\_\_\_\_\_ Cannot meet legal requirements  
(i.e. Bid/performance/security/insurance, etc.)

\_\_\_\_\_ Cannot provide a competitive price at this time

\_\_\_\_\_ Interested in receiving specifications for informational purposes only

\_\_\_\_\_ Insufficient lead time to respond

\_\_\_\_\_ Other:(please be specific) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ Do you wish to remain on our mailing list?

\_\_\_\_\_ Yes \_\_\_\_\_ No

Additional comments: \_\_\_\_\_

Signed (optional): \_\_\_\_\_

Company: \_\_\_\_\_

**ADDITIONAL YEARS PURCHASING OPTION, for R-113071**

**BID TITLE: ASPHALT RECYCLER**

3 - Year Open End Option: The Authority shall have the option for one (1) Model Year\* from the date of Contract, to order additional units conforming to the requirements of these specifications at the same price and under the same terms and conditions as those contained herein.

The Authority shall further have the option to purchase additional units conforming to these specifications for two (2) additional Model Years. Any unit(s) offered during the two (2) subsequent Model Years shall be of the model equivalent to that specified herein. In the latter instances, if there have been any price changes, the vendor shall submit a request to the Authority covering the aforesaid price changes, and shall include appropriate explanation and justification for any such price changes.

Any such request for price adjustment shall be in writing and directed to the Director, Procurement and Materials Management Department and shall be accompanied by the following evidence as a basis for your request;

1. The published price lists for equipment, which were in effect at the time of your original proposal.
2. The equivalent published price lists in effect at the time of your request.
3. Any additional evidence which the Authority deems necessary in the evaluation of your request.

The Authority shall, within its sole discretion, have the right to accept the price changes proposed by the vendor or if it so desires, re-bid the requirement.

\*Model Year is defined as the Model Year of the Manufacturer of the unit(s) offered by you in this Request for Quotation. In that instance where proposals are for equipment for which "Model Year" and "Production Cut-Off Dates" are undefined or non-existent, the "Model Year" is defined, for bid purposes, as one calendar year from the date on which the Contract is accepted. The last date on which orders may be placed for the Model currently in effect is\_\_\_\_\_.

## NEW JERSEY TURNPIKE AUTHORITY

### GENERAL INSTRUCTIONS AND SPECIFICATIONS: PORTABLE ASPHALT RECYCLER

Quantity	Description	Maximum Delivery Date
1	Portable Asphalt Recycler	90 Days After Receipt of Order

#### SPECIFICATIONS:

PAR-2015: PORTABLE ASPHALT RECYCLER

7PTC: 7-POLE ROUND PIN TRAILER CONNECTORS ON TRUCKS AND TRAILERS

COMPLIANCE WITH RULES AND REGULATIONS: The unit and associated equipment furnished must comply with all Federal and State Motor Vehicle Safety Laws and Regulations and shall be capable of passing the New Jersey State Motor Vehicle Inspection Laws.

ENERGY STAR REQUIREMENTS: If applicable for items specified in bid package, the vendor must provide products that earn ENERGY STAR certification and meet the ENERGY STAR specifications for energy efficiency. The vendor is encouraged to visit [energystar.gov](http://energystar.gov) for complete product specifications and updated lists of qualifying products. The ENERGY STAR label must also be affixed to each delivered item. The bidder's signature on the signature page certifies that items so indicated that have earned ENERGY STAR and meet the ENERGY STAR specifications or other standards for energy efficiency will be supplied.

ERRORS AND OMISSIONS: Inadvertent omissions or errors in the attached specifications must be brought to the attention of the New Jersey Turnpike Authority's Director of Procurement and Materials Management at 732-750-5300 before bid submission date. If, with knowledge of such error or omission and prior to the correction thereof, the bidder proceeds with any work affected hereby, they shall do so at their own risk and the work so done shall not be considered as work done under and in performance of this Agreement unless and until approved and accepted.

QUESTIONS: Questions, which arise before or during the preparation of the unit, shall be addressed in writing via e-mail from the vendor to Peter Perperas (Project Supervisor), [perperas@turnpike.state.nj.us](mailto:perperas@turnpike.state.nj.us) at the New Jersey Turnpike Authority on a not to delay basis.

#### DELIVERY INSTRUCTIONS:

A. Vendor must contact Peter Perperas (Project Supervisor) at 732-442-8600 ext. 2868 for authorization to schedule date and time prior to delivery. **Deliveries shall be made to the NJTA Garden State Parkway Division Telegraph Hill Central Maintenance Facility located at GSP Exit 116 in Holmdel, NJ 07733.**

B. Vendor shall be responsible for all delivery, shipping and pick-up expenses.

C. All units must be pre-delivery serviced, completely assembled, operational, and cleaned prior to Authority delivery.

D. The following administrative package **must** accompany all deliveries:

- Certificate of Origin: stamped "Sales Tax Satisfied" and shall be made out to New Jersey Turnpike Authority 581 Main St. Woodbridge, NJ 07095. Certificate of Origin shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
- Invoice: purchase order number must be displayed on vendors invoice. Invoice shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
- Warranty forms properly executed.
- Four (4) keys for each recycler shall be furnished.
- **All trailers being delivered shall have a dealer plate affixed to the trailer. Under no circumstances shall a temporary registration (30 temp tag) be attached to the trailer. The 30 day temp tag shall be hand delivered along with the invoice and all paperwork to Peter Perperas upon delivery.**
- It shall be the responsibility of the awarded vendor that all tolls, when applicable be paid when making delivery to the Authority.

E. All units shall be delivered with a minimum of a half tank of fuel.

F. Deliveries made directly from the manufacturer to the Authority shall not be acceptable.

**WARRANTY**: All units delivered must be guaranteed to be free from defects in materials, design and workmanship for a minimum of one (1) year from the time of acceptance by the New Jersey Turnpike Authority. All warranties shall start upon written acceptance of units by the New Jersey Turnpike Authority. Warranty must include service availability from any manufacturers authorized dealer establishment most closely located to Parkway and Turnpike area. This repair facility may not be further than 100 miles from Telegraph Hill Central Maintenance Facility in Holmdel, NJ 07733 or Central Shops Maintenance Facility located in Hightstown, NJ 08520. If warranty service is required, the vendor who supplied the unit shall provide for pickup, delivery and repair of unit at no charge to the New Jersey Turnpike Authority. The vendor shall also have a program to include an in-house warranty.

**EXCEPTION SHEET**: Exception sheet is furnished with each set of specifications. Bidders making exceptions must note exceptions by item and indicate substitution in lieu and submit with bid, detailed specifications on the substitution. If the vendor is submitting an alternate product, component, feature or part to what is referenced in the specifications, the proposals **must** be accompanied by descriptive literature, marked and indicate the exact items to be furnished, with

an engineering drawing of the same. **Failure to supply information requested may result in rejection of bid.** Where no exception is taken, the word “None” shall be neatly printed or typed on the exception sheet. **Failure to supply information and/or failure to complete the bidder’s exception spaces in the prescribed manner may disqualify bid. It shall be understood that if no exception is taken, the vendor shall supply all material exactly as specified. No substitution will be permitted after receipt of bids.**

**UNIT INFORMATION FORM:** Vendor shall complete the entire Unit Information Form. **Failure to complete form may result in rejection of bid.**

**MANUFACTURER’S PRODUCTION SHEET:** The vendor shall furnish one (1) copy of the actual Factory Production Sheet for each unit provided. The copies of the Factory Production Sheet shall be submitted at the time of the Authority’s inspection of the unit.

**TRAINING:** It shall be the responsibility of the successful bidder to supply all safety, operational and service training to New Jersey Turnpike Authority personnel in accordance with all applicable ANSI and OSHA regulations. The safety and operational training shall consist of a complete review and understanding of the manufacturer’s owner manual, along with actual operation of equipment. The instructor shall emphasize all proper uses for safe operation. The training shall include but not limited to all general troubleshooting of the hydraulic system and associated electronics. The instructor shall also emphasize the proper use of tools and test equipment along with general shop safety. The service seminars shall be similar to factory and manufacture type schools. The training shall be scheduled and take place at one (1) site, eight (8) hours minimum. Site shall be designated by the New Jersey Turnpike Authority. Approximately two (2) weeks after the initial training, the awarded vendor shall provide an additional refresher training seminar at the same designated site for approximately four (4) hours.

**LABELS:** Plastic stick-on labels shall not be acceptable.

**ADVERTISEMENTS:** No Dealer advertisements shall appear on unit or any other related equipment.

**ACCESSORIES:** All accessories shall be manufacturer installed when the item is available from the manufacturer.

**FACILITIES:** Bidders shall represent a manufacturer, which has in operation a factory adequate for the manufacture of the equipment, which it proposes to furnish. The manufacture(s) whose associated equipment or products are bid shall have a full service warranty and parts supply facility that can guarantee availability of parts within 24 hours after telephone order and shall be located within a 100 mile radius of either Central Shops Maintenance Facility (exit 8 on the NJ Turnpike) located in Hightstown, NJ 08520 or Telegraph Hill Central Maintenance Facility (exit 116 on the GSP) located in Holmdel, NJ 07733. This facility will be required to establish an in-house warranty program and provide all warranty work related to the equipment in the bid proposal. The bidder shall submit the locations, names and telephone numbers of people who are authorized to service the equipment or who can be reached for emergency service.

Location\_\_\_\_\_

Phone #\_\_\_\_\_

Contact\_\_\_\_\_

Name & Title

**SPECIFICATIONS: PAR-2015  
PORTABLE ASPHALT RECYCLER**

**BIDDER'S INSTRUCTIONS**

**IT SHALL BE THE BIDDER'S RESPONSIBILITY TO CAREFULLY EXAMINE EACH ITEM OF THE SPECIFICATION. BIDDERS MUST INDICATE WHETHER THEY COMPLY OR NON-COMPLY FOR EACH LINE ITEM IN THE SPECIFICATION. FAILURE TO PROVIDE A COMPLETED BID MAY CAUSE REJECTION OF BID. ALL NON-COMPLY RESPONSES AND/OR BIDDERS PROPOSED "APPROVED EQUIVALENTS" MUST BE FULLY EXPLAINED ON EXCEPTION FORM, NOTING SECTION AND ITEM. FAILURE TO EXPLAIN NON-COMPLY RESPONSES OR FAILURE TO SUPPLY DETAILED LITERATURE/BROCHURES ON THE BIDDERS PROPOSED "APPROVED EQUIVALENTS" MAY CAUSE REJECTION OF BID. WHERE "MINIMUM/MAXIMUM" IS SPECIFIED, BIDDERS MUST PROPOSE AT LEAST THE MINIMUM/MAXIMUM SIZES OR THE BID MAY BE REJECTED.**

	<b>COMPLY</b>	
	<b>YES</b>	<b>NO</b>
<b>GENERAL:</b>		
A. Unit shall be a portable, diesel-powered trailer-mounted continuous operating asphalt recycler.		
B. Asphalt recycler shall be designed to recycle asphalt using convection type heating.		
C. Flame from the burner shall not come in direct contact with material inside the mixing drum.		
D. Material shall be loaded into the front of the recycler by a hydraulically operated hopper and discharged through the rear of the mixing drum at the rear of the recycler.		
E. Normal output shall be approximately 1-ton of recycled mix every six (6) minutes.		
F. Peak production capacity shall be approximately 10-tons per hour.		
<b>ENGINE:</b>		
A. 3-cylinder water cooled, direct injection diesel engine.		
B. 85 cubic inch displacement.		
C. 25 hp <b>minimum</b> @ 2,600 rpm's.		
D. Engine shall conform to current EPA emission standards.		
E. Engine shall be equipped with the following but not limited to: <ul style="list-style-type: none"> <li>• Single element, dry type air cleaner</li> <li>• Spin-on type oil filter</li> <li>• Cartridge type fuel filter</li> </ul>		
<b>ELECTRICAL SYSTEM:</b>		
A. The 12-volt electrical/starting system shall have the following but not limited to:		



	COMPLY	
	YES	NO
<ul style="list-style-type: none"> <li>• 12-volt kW starting motor</li> <li>• 12-volt 40-amp alternator</li> <li>• 12-volt maintenance free battery</li> </ul>		
<b>HYDRAULIC SYSTEM:</b>		
A. Recycler shall have an engine driven gear pump to generate hydraulic flow.		
B. The pump capacity shall be approximately 13-gallons per minute.		
C. Hydraulic system shall include the following: <ul style="list-style-type: none"> <li>• Control valves</li> <li>• Pressure gauges</li> <li>• Return flow filters</li> <li>• Piping &amp; flexible hoses</li> </ul>		
D. Covers shall be removable to access all hydraulic component and hoses.		
<b>HEATING SYSTEM:</b>		
A. Heating system shall be fueled by diesel.		
B. The diesel burner shall have a capacity of no less than 400 kW.		
C. Burner system shall be located at the rear of the unit.		
D. Burner operations shall be controlled at the operator's station.		
E. Burners shall be a twin-stage design that shall operate automatically according to the pre-selected mode.		
F. Burner shall have an automatic shutdown system when sensing any faults.		
G. Temperature of recycled material shall be controlled by the operator.		
<b>DRUM:</b>		
A. The asphalt drum shall be hydraulically chain driven for continuous rotation.		
B. The chain drive shall be easily accessible for the operator to adjust.		
C. The chain drive shall be enclosed for safety.		
D. Drum rotation speed between: <ul style="list-style-type: none"> <li>• 7 rpm's and 14 rpm's</li> </ul>		
E. Drum rotation speeds: <ul style="list-style-type: none"> <li>• 2-forward</li> <li>• 1-reverse</li> </ul>		
F. Loading of material shall be done mechanically with the aid of a hydraulically operated top loading hopper.		
G. Drum shall be self-unloading.		
H. Housing shall be fully insulated.		
<b>BODY:</b>		
A. Asphalt recycler's body shall be welded steel construction and equipped with the following: <ul style="list-style-type: none"> <li>• Lifting hooks</li> <li>• Quick release access panels</li> </ul>		
B. The following dimensions shall include the trailer (approximates): <ul style="list-style-type: none"> <li>• Length: 22'</li> </ul>		

	COMPLY	
	YES	NO
<ul style="list-style-type: none"> <li>Width: 7½'</li> <li>Height: 8'</li> <li>Weight: 11,000 lbs.</li> </ul>		
<b>TRAILER:</b>		
A. Trailer shall be a tandem axle design with an axle capacity rating of approximately 6,600 lbs. per axle.		
B. The tongue height shall be adjustable and equipped with a 3" i.d. pintle hook.		
C. Two (2) hi-test ⅜" safety chains with safety hooks.		
D. Trailer plug: 48" long, 7-prong round pin trailer plug shall be wired per SAE code J506B (See Specifications: 7PTC).		
E. Frame shall be constructed of heavy-duty wall steel.		
F. Unit shall be supported by two (2) drop down heavy-duty parking jacks that shall be sufficiently rated by the manufacturer for the unit.		
G. Multi-leaf spring suspension.		
H. Tires shall be 7.50 R16 LT.		
I. D.O.T. approved reflectors and red/white conspicuity striping shall be installed onto unit.		
J. Unit shall have led lights, license plate bracket with light, and a Grote Model 43901 or approved equivalent documentation holder securely mounted to frame.		
<b>CAPACITIES:</b>		
A. Fuel tank: 18 gallon <b>minimum</b> .		
B. Burner fuel tank: 55 gallon <b>minimum</b> .		
C. Hydraulic oil: 40 gallon <b>minimum</b> .		
<b>OPERATORS STATION:</b>		
A. Engine control panel shall include the following: <ul style="list-style-type: none"> <li>Keyed ignition</li> <li>Engine oil light</li> <li>Batter control light</li> <li>Hour meter</li> </ul>		
B. Operators station shall be equipped with the following: <ul style="list-style-type: none"> <li>Drum rotation lever</li> <li>Drum speed control lever</li> <li>Hydraulic top hopper control lever</li> <li>Drum open/close lever</li> </ul>		
C. Control panel shall include the following: <ul style="list-style-type: none"> <li>Burner controls</li> <li>Hydraulic pressure gauge</li> <li>Electronic temperature gauge</li> <li>Burner pressure and suction gauges</li> </ul>		
<b>PAINT:</b>		
A. Manufacturers standard.		

	<b>COMPLY</b>	
	<b>YES</b>	<b>NO</b>
<b>MANUALS:</b>		
A. The following manuals shall be supplied upon delivery of the unit: <ul style="list-style-type: none"> <li>• Operators-5</li> <li>• Parts-2</li> </ul>		

# SPECIFICATIONS: 7PTC

## 7-POLE ROUND PIN TRAILER CONNECTORS ON TRUCKS AND TRAILERS

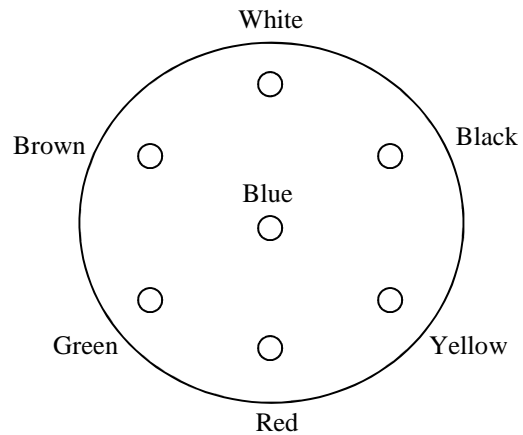
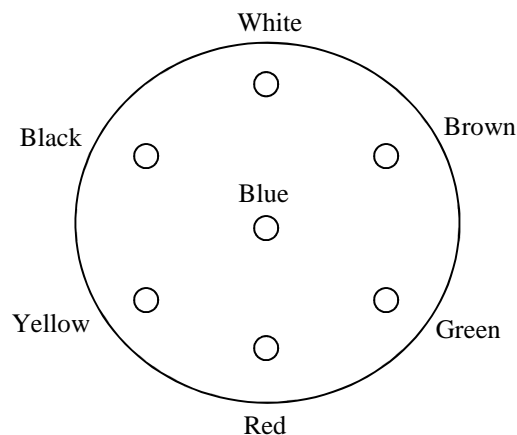
### CONNECTOR MARKING COLOR

### APPLICATION

WHITE.....	GROUND
BLACK.....	TAIL LIGHT
BROWN.....	TAIL LIGHT
YELLOW.....	LEFT TURN SIGNAL
GREEN.....	RIGHT TURN SIGNAL
RED.....	ELECTRIC BRAKE
BLUE.....	12-VOLT BATTERY- WITH 30-AMP AUTOMATIC BIMETAL THERMAL RESET CIRCUIT PROTECTION.

### SOCKET MARKINGS

### PLUG MARKINGS



**\*FAILURE TO COMPLETE ALL AREAS MAY RESULT IN REJECTION OF BID\***

**UNIT INFORMATION FORM**

**ASPHALT RECYCLER:**

YEAR:\_\_\_\_\_ MAKE:\_\_\_\_\_ MODEL:\_\_\_\_\_

RECYCLED ASPHALT CAPACITY:\_\_\_\_\_ PER HOUR

**ENGINE:**

ENGINE MAKE:\_\_\_\_\_

MODEL:\_\_\_\_\_

CYLINDERS:\_\_\_\_\_

CUBIC INCH DISPALCEMENT:\_\_\_\_\_

\_\_\_\_\_ HP @ 2600 RPM'S

FUEL TANK CAPACITY:\_\_\_\_\_ GALLONS

BURNER FUEL TANK CAPACITY:\_\_\_\_\_ GALONS

HYDRAULIC OIL CAPACITY:\_\_\_\_\_ GALLONS

**TIRES:**

TIRE SIZE:\_\_\_\_\_

SERVICING  
AGENCY:\_\_\_\_\_

LOCATED AT:\_\_\_\_\_

TELEPHONE #:\_\_\_\_\_

CONTACT:\_\_\_\_\_

Name & Title

[illegible]

Date \_\_\_\_\_